



---

## SECOND ARGENTINE CONFERENCE ON AERONAUTICAL ENGINEERING (CAIA 2)

VICTOR TORREGIANI

---

02/17/2016  
Final Report

DISTRIBUTION A: Distribution approved for public release.

Air Force Research Laboratory  
AF Office Of Scientific Research (AFOSR)/ IOS  
Arlington, Virginia 22203  
Air Force Materiel Command

<b>REPORT DOCUMENTATION PAGE</b>					Form Approved OMB No. 0704-0188	
<p>The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Executive Services, Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p> <p>PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION.</p>						
<b>1. REPORT DATE (DD-MM-YYYY)</b> 02-03-2016		<b>2. REPORT TYPE</b> Final		<b>3. DATES COVERED (From - To)</b> 03-09-2010 to 03-05-2011		
<b>4. TITLE AND SUBTITLE</b> SECOND ARGENTINE CONFERENCE ON AERONAUTICAL ENGINEERING (CAIA 2)				<b>5a. CONTRACT NUMBER</b> FA9550-10-1-0548		
				<b>5b. GRANT NUMBER</b>		
				<b>5c. PROGRAM ELEMENT NUMBER</b> 61102F		
<b>6. AUTHOR(S)</b> VICTOR TORREGIANI				<b>5d. PROJECT NUMBER</b>		
				<b>5e. TASK NUMBER</b>		
				<b>5f. WORK UNIT NUMBER</b>		
<b>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</b> ,				<b>8. PERFORMING ORGANIZATION REPORT NUMBER</b>		
<b>9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)</b> AFOSR/SOARD U.S. Embassy Santiago Av. Andres Bello 2800 Santiago, Chile				<b>10. SPONSOR/MONITOR'S ACRONYM(S)</b> AFRL/AFOSR IOS		
				<b>11. SPONSOR/MONITOR'S REPORT NUMBER(S)</b>		
<b>12. DISTRIBUTION/AVAILABILITY STATEMENT</b> A DISTRIBUTION UNLIMITED: PB Public Release						
<b>13. SUPPLEMENTARY NOTES</b>						
<b>14. ABSTRACT</b> This was a Conference grant under the Conference Support Program. The PI has not responded and the final report was submitted by the AFOSR Program Officer to close the grant.						
<b>15. SUBJECT TERMS</b>						
<b>16. SECURITY CLASSIFICATION OF:</b>			<b>17. LIMITATION OF ABSTRACT</b>  SAR	<b>18. NUMBER OF PAGES</b>	<b>19a. NAME OF RESPONSIBLE PERSON</b> VICTOR TORREGIANI	
<b>a. REPORT</b>  Unclassified	<b>b. ABSTRACT</b>  Unclassified	<b>c. THIS PAGE</b>  Unclassified			<b>19b. TELEPHONE NUMBER (Include area code)</b> 000-000-0000	

## **Conference Support Program (CSP) Proposal Form**

**Please send completed forms to TheAmericas@afosr.af.mil.**

**(Note: Bold information below required.)**

### **Conference Organizer Contact Information:**

**Title (e.g., Mr., Mrs., Ms., Dr.):** Mr. (Eng.)

**Full Name:** VICTOR GERARDO TORREGIANI

**Position:** Secretario de Ciencia y Tecnica (Science & Technology Secretary)

**Organization:** Instituto Universitario Aeronautico

**Address:** Avenida Fuerza Aerea Argentina 6500 – X5010JMX Cordoba - Argentina

**Work Phone:** (+54)(0351) 4435000 int. 34230

**Home Phone:** (+54)(03541) 423386

**Work Fax:** (+54)(0351) 4435021

**Email Address:** [vtorregiani@iua.edu.ar](mailto:vtorregiani@iua.edu.ar)

**URL:** [www.iua.edu.ar](http://www.iua.edu.ar)

### **AFRL Participant Contact Information:**

**Title (e.g., Mr., Mrs., Ms., Dr.):** Dr

**Full Name:** Fariba Fahroo

**Position:** Program Manager

**Organization:** AFSOR/RSL

**Address:**

Air Force Office of Scientific Research/RSE

875 North Randolph St.

Arlington, VA 22203

(703)696-

**Phone:** (703)696-6204

**Fax:**

**Email Address:** [fariba.fahroo@afosr.af.mil](mailto:fariba.fahroo@afosr.af.mil)

### **Conference Proposal Information:**

**Conference Title:** SEGUNDO CONGRESO ARGENTINO DE INGENIERIA AERONAUTICA, CAIA 2.

(SECOND ARGENTINE CONFERENCE ON AERONAUTICAL ENGINEERING)

**Location:** Instituto Universitario Aeronautico, Cordoba, Argentina.

**Conference Start Date:** November 24, 2010

**Conference End Date:** November 26, 2010

**Conference Website:** <http://www.iua.edu.ar/caia2/>

### **Topics to be Covered:**

Topics are included in seven main areas:

1. Airports, Maintenance, Aircraft Operations and Meteorology.
2. Aerodynamics, Fluids and Flight Mechanics.
3. Structures, Materials y Mechanics.

4. Propulsion.
5. Control, Avionics y Aircraft Systems.
6. Spatial Technologies.
7. Aeronautical Management.

#### **Technology Relevance:**

A Congress on Aeronautical Engineering in Argentina is the result of the initiative taken by Universidad Nacional de La Plata in 2008, based on the need of national universities responsible for aeronautical engineering and companies of the sector, to exchange information and contact with each other. About 150 professionals and many students on their last year of college attended CAIA's first edition. That edition was so successful that we felt totally encouraged to continue the initiative and organize CAIA's second edition in our University.

The congress is focused on issues of research and development and professional activity in the aerospace field, carried out by different researchers, professionals and teams from our country and abroad.

The objectives of CAIA 2 are, on the one hand, to promote and facilitate the integration, cooperation and exchange of ideas among researchers and engineers in different areas of aeronautical engineering and the aerospace, and on the other hand, the need to contribute to the dissemination of activities related to R & D in aeronautical engineering in our country and the world.

#### **List of Invited Speakers & Distinguished Guests (proposed):**

1. Dr. José María Longo, Head Aerothermodynamics and Propulsion Analysis Section, European Space Agency. (confirmed)
2. Dr. Sergio Idelsohn, former Director of "Centro Regional de Investigación y Desarrollo" of Santa Fe, Argentina. Director of the "Centro Internacional de Métodos Computacionales en Ingeniería" (CIMNE), Barcelona. Senior Researcher of CONICET (Argentina) and European Research Council. (confirmed)
3. Ing. Marcelo Ferroni, CEO of Fabrica Argentina de Aviones S.A. (FAdeA S.A.) and former manager in EMBRAER. (confirmed)
4. Dr. Tulio Calderón, VP Aerospace and Government Division, INVAP, Argentina. (proposed)
5. Dr. Conrado Varotto, Director of the Comisión Nacional de Actividades Espaciales (CONAE) (National Committee for Spatial Activities). (proposed)
6. Representatives of AFOSR.

#### **Program Agenda (proposed):**

The detailed program of the Conference will depend on the number of participants and of the approved presentation and papers.

Wednesday, November 24

9:00 – Registration  
9:45 – Opening remarks  
10:00 to 11:30 – Sessions  
12:00 to 13:00 – Plenary Session: Ing. Ferroni  
13:00 to 15:00 – Lunch break  
15:00 to 16:00 – Plenary Session: Dr. Idelsohn  
16:15 to 18:45 – Sessions

Thursday, November 25

9:00 to 11:00 - Sessions  
11:30 to 12:00 – Sponsors Presentation  
12:15 to 13:15 – Plenary Session: Dr. Longo  
13:15 to 15:00 – Lunch Break  
15:00 to 16:00 – Plenary Session: Dr. Calderón  
16:15 to 18:45 – Sessions  
21:30 – Dinner

Friday, November 26

9:00 to 11:00 - Sessions  
11:30 to 12:00 – Sponsors Presentation  
12:15 to 13:15 – Plenary Session: Dr. Varotto  
13:15 to 15:00 – Lunch Break  
15:00 to 17:00 – Sessions  
17:30 – Closing session

**Expense and Budgetary Information:****Estimated Expenses & Budget:**

<b>General Expenses</b>	<b>AFOSR funding</b>	<b>Other funding sources (FEES + Sponsors &amp; Supporters)</b>	<b>Total Cost (U\$S)</b>
<b>1. Supplies</b>			
Office supplies	-	2750	2750
Electronic supplies (2Gb pendrive containing Conference papers)	2250		2250
<b>Subtotal</b>	<b>2250</b>	<b>2750</b>	<b>5000</b>
<b>2. Third Party services</b>			
Catering services (Dinner)	-	5625	5625
Catering services (Coffee breaks)	-	2700	2700
<b>Subtotal</b>	<b>-</b>	<b>8325</b>	<b>8325</b>
<b>3. Travel expenses</b>			
International invitations	2000	3000	5000
National invitations	750	1875	2625
Own personal	-	1250	1250
<b>Subtotal</b>	<b>2750</b>	<b>6125</b>	<b>8875</b>
<b>4. Other expenses</b>			
Promotion & Communication	-	5000	5000
Equipment rental	-	2500	2500
<b>Subtotal</b>	<b>-</b>	<b>7500</b>	<b>7500</b>
<b>TOTAL</b>	<b>5000</b>	<b>24700</b>	<b>29700</b>

**Sponsor(s):**

- Ministerio de Defensa, Gobierno Nacional (Defense Minister, Federal Government).
- Fuerza Aerea Argentina (Argentine Air Force).

- Ministerio de Ciencia y Técnica, Provincia de Córdoba (Science and Technology Minister, province of Cordoba Government).
- Fabrica Argentina de Aviones S.A. (FAdeA S.A.) (former Lockheed Aircraft Argentina S.A.)
- Air Force Office for Scientific Research (AFOSR)
- Comision Nacional de Actividades Espaciales (CONAE) (National Committee for Spatial Activities).
- Consejo Profesional de la Ingenieria Aeronautica y Espacial (CPIAyE) (Professional Council for Aerospace Engineering).
- Dassault Systems.
- Local aeronautical and technological companies.

**Total Cost of Conference (in USD):** USD 29,700.00 (estimated)

**AFOSR Contribution (in USD):** USD 5,000.00

**Organization's Authorized Person to Sign Agreement and Receive Funds:**

**Title (e.g., Mr., Mrs., Dr.,):** Mr. (Eng.)

**Full Name:** VICTOR GERARDO TORREGIANI


**Organization:** Instituto Universitario Aeronautico

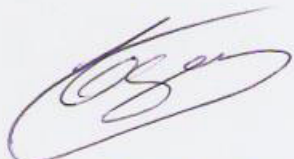
**(FedEx) Address:** Avenida Fuerza Aerea Argentina 6500 – X5010JMX Cordoba - Argentina

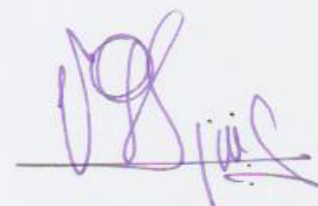
**Work Phone:** (+54)(0351) 4435000 int. 34230

**Work Fax:** (+54)(0351) 4435021

**Email Address:** [vtorregiani@iua.edu.ar](mailto:vtorregiani@iua.edu.ar)

  
ing. Mario  
A. DERRICO.

  
Dr. SACCO CARLOS

  
ing. VICTOR GERARDO TORREGIANI  
Secretario de Ciencia y Tecnología